

6-14576



**ON THE MOON!** Some of the leaders of Y-12's United Fund drive placed their 'astronaut' on top of the big sign at East Portal. Pictured are: top left, pointing to the sign, George Beasley, president of Local 900, Operating Engineers; top right George Hyatt, president, Local 480, International Association of Machinists; middle, Sam Murphy, Fabrication Division; and at ground level, left to right, Hugh Beeson, Engineering Division; Jerry Evans, member Local 3, International Guards Union of America; and Jack Adkins, Assembly Division.

## United Fund Goal Now Is 110 Per Cent Past For Y-12!

The fourth week of counting money for Y-12's successful United Fund drive is mere gravy now! The more counted, the more we go over our goal! (Y-12 was joined in the 4th report by Oak Ridge Gaseous Diffusion Plant and the General Staff last week on the moon.)

As pointed out in last week's Bulletin almost every record on the books fell, as Y-12's all 14 divisions pledged over its individual goal . . . and most crafts in hourly rolls went over their prescribed goals. (One craft, the bricklayers, exceeded their goal . . . time and a half!)

Operating Engineers local 900 produced 100 percent more pledges this year than last, to put their craft well over their \$1,351 goal.

R. G. Dunn, assistant to Y-12's chairman, couldn't believe it. "I figured all along we would make our goal, but I didn't know we would go over that much," he kept saying.

Fourth week reports looked as follows:

Division	Goal	Contribution	Per Cent Of Goal
Accounting & Budget	\$ 447.56	\$ 561.00	125.34
Assembly	1,690.00	2,054.26	121.55
Development	9,314.51	9,941.16	106.72
Engineering	10,277.17	11,187.12	108.85
Fabrication	7,483.61	8,189.23	109.42
Industrial Relations	1,502.45	1,545.44	102.86
Maintenance	6,995.68	8,273.06	118.25
Materials & Services	2,137.53	2,232.30	104.43
Metal Preparation	5,001.88	6,101.04	121.97
Production, Planning & Scheduling	3,810.38	4,225.92	110.90
Product Engineering	2,046.62	2,140.60	104.59
Shift Superintendents	2,205.08	2,548.72	115.58
Superintendents	1,774.79	2,276.42	128.26
Technical	12,643.94	13,988.88	110.63

Continued on Page 4

## Improvements In Traffic Are A-Coming!

Traffic improvements are well underway for Bear Creek Road, plant parking lot exits and entrances, and other intersections related to traffic flow to and from Y-12.

The improvements are to be made in three phases and will take several months to complete due to the extensive changes to be made.

Some of the general changes to be made in the physical layout are as follows:

1. Improved traffic signals will be installed on Bear Creek Road at all parking lots. The flexibility of the signal controls will be such that a broader range of sequences may be used, thus aiding in the movement and safety of traffic on Bear Creek Road.

2. Additional lane controls will be installed.

3. A fifth lane will be installed to extend from near Central Portal through North Portal area.

4. Pickup lanes will be installed at the North, Central, West, and Pine Ridge lots. Immediate plans call for improvement of the north pickup lanes at North, Central, and West Portals. A south pickup lane is also scheduled at West Portal. Pickup lanes for other portals are included in future phases.

5. The west exit at North Portal will be modified to improve safety of vehicular exit.

6. The traffic and parking pattern within Central Portal will be reworked to provide a more orderly flow of traffic. The exit at this lot will provide for a better and safer egress to Bear Creek Road.

7. Improvements will be made at the Scarboro-Bethel Valley intersection. An additional exit lane and lane lights are planned to increase traffic flow at this location during the 4:30 to 5 p.m. period.

Generally speaking, the improvements being made are specifically aimed at getting people in and out of the lots safer and, at the same time, not overloading the roads that empty into Oak Ridge, Knoxville, and other nearby towns.

## Instrument Society Holds Smoker Friday

The Oak Ridge Section of the Instrument Society of America will hold its annual smoker, featuring food and entertainment, Friday, November 7.

The affair begins at 7 p.m., at the Oak Ridge Sportsman's Association Indoor Rifle Range, Friday.

## SAFETY SCOREBOARD

The Y-12 Plant Has Operated 47 Days Or 1,628,000 Man-Hours (Unofficial Estimate) Through November 2 Without A Disabling Injury SAFETY AT HOME, AT WORK, AT PLAY

## 3rd Quarter Sales Reach All-Time High For UCC

Union Carbide Corporation's sales for the third quarter increased 11 per cent over 1968 to an all-time quarterly high and earnings were up 14 per cent, Birny Mason, Jr., chairman of the board, has announced.

Sales were \$757,475,000, compared with \$682,371,000 for the corresponding 1968 period. Commenting on the record sales, Mason noted that in every quarter since 1967 the corporation has achieved a gain in sales over the corresponding period the previous year.

Earnings for the third quarter totaled \$43,751,000, or 72 cents a share. A year ago, the corporation earned \$38,243,000, or 64 cents a share.

For the first nine months, sales were \$2,171,438,000, 10 per cent higher than 1968 sales of \$1,972,651,000 for the same period. Earnings of \$144,792,000, or \$2.39 a share, were 22 per cent over the \$118,203,000, or \$1.96 a share, earned in the corresponding period of 1968.

Reviewing the third-quarter results, Mason stated that sales were higher than had been anticipated a month or two ago. He said all major product groups had contributed to this good performance. International business, he added, continued at an unusually high level, as it had in the second quarter.

## Plant Operations Currently Seen As 'Good'

In commenting on earnings for the quarter, Mason said that plant operating margins had been affected by a combination of higher labor and material costs and miscellaneous operating problems during recent months. He remarked that although conditions of optimum efficiency have not yet been reached at all locations, plant operations are currently good. Mason pointed out that the higher earnings had been achieved in spite of a considerable increase in the effective tax rate as compared with last year.

Union Carbide has not yet seen any definitive signs of an economic downturn, according to Mason, although he said there are some indications that the corporation's current rate of sales growth may not be maintained. Consequently, he felt that sales in the fourth quarter would show a somewhat lower rate of gain compared with 1968 than had been the case in the three earlier quarters. "Provided we do not get any surprises," Mason said, "the outlook for earnings for 1969 as a whole is an improvement over last year in the order of 20 per cent." In 1968, Union Carbide reported earnings of \$2.60 a share.

Construction expenditures are running approximately in line with previous estimates, and the total for 1969 on a worldwide basis is currently expected to be in the \$330 to \$340 million area. Mason said that these expenditures for 1970 would probably be somewhat higher, but he could not give a dollar figure at this time.

## Further Gains Anticipated For Sales In 1970

Commenting on the outlook for 1970, Mason said that based on a preliminary assessment of conditions in Union Carbide's respective business areas, the corporation at this time anticipates further gains in sales, although these might be somewhat below the percentage gains made in 1969. Mason emphasized that there is still room for improvement in Union Carbide's internal performance, particularly with regard to plant operating efficiencies, and that this should lead to higher operating margins.

## 50¢ Dividend Is Declared By Board

The board of directors of Union Carbide Corporation has declared a quarterly dividend of fifty cents (50¢) a share on the outstanding capital stock of the corporation, payable December 1, to stockholders of record November 7, 1969. The last quarterly dividend was 50¢ a share paid September 2.

Payment of this dividend on December 1 will make a total of \$2 a share paid in 1969 on the outstanding shares of the corporation. In 1968, the total amount paid also \$2 a share.

## PRICE OF SUCCESS

Staring moodily out of his office window, the business tycoon sadly remarked: "Ten thousand employees jump at my slightest whim, and I can't persuade one teen-age son to get a haircut."

## ASPE Dinner Meet Next Week In Ridge

The Oak Ridge Chapter of the Tennessee Society of Professional Engineers will meet next Thursday, November 13.

The meeting begins at 6:30 with a social hour, with dinner at 7:30 p.m. at the Alexander Hotel.

Guest speaker will be Floyd L. Culler Jr., assistant director of Oak Ridge National Laboratory. His subject will be "The Agro-Industrial Complex — the Plant Hardware End."

Ladies and guests are invited to attend the TSPE meeting. Dinner reservations should be made through Lloyd B. Jones, extension 3-5394.

## FOLLOW THAT STAR

You are only human if your mind wanders. The trouble comes when you start to follow it!



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG .....Editor

Member



Appalachian  
Industrial  
Editors  
Association

American Association Industrial Editors

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## Neeley Is Named To National Office



Arthur C. Neeley

Arthur C. Neeley, development specialist in Development Operations, has been elected chairman of a national committee of the American Society of Testing and Materials.

He will head the Committee for Powder and Powder Metallurgical Products which is responsible for overseeing the preparation and publication of material standards and testing procedures involving powder metallurgy.

Neeley has authorized and co-authored numerous articles and technical papers and holds several patents in the powder metallurgical field. Recognized as an authority on pressed tungsten, he has served on a National Academy of Science committee to evaluate the national stockpile of tungsten powder.

Neeley and his wife, the former Ruth Hollrock, resides at 110 Orchard Circle, Oak Ridge. They have three children at home and one attending Brigham Young University, Provo, Utah.

Art is a native of Salt Lake City. He holds a BS degree from Columbia University and did post-graduate work at George Washington University. He has served three different hitches in the U.S. Naval Reserve.

## Camera Club Meets Back In Cheyenne Hall

The Carbide Camera Club will meet Tuesday, November 11, in Cheyenne Hall. The regular November meeting is set for 8 p.m.

Lee Andrews will discuss "Still Life Photography," at the meeting. Stan Leibo announces an OPEN competition scheduled for November.

The "new" headquarters in Cheyenne Hall have been readied and the meeting will be in Room D-211.



The eleventh month arrives with its frost, color, and short days. Also arriving are more Union Carbide Corporation veterans. Congratulations.

### 25 YEARS

James T. McKinley, General Shop Inspection, November 6.

Ruby K. Jones, Chemical Services, November 8.

Andrew Alfred, Statistical Services, November 8.

James C. Yarber, Utilities Administration, November 9.

### 20 YEARS

Clarence E. Legg, Laboratory Operations, November 7.

### 15 YEARS

Roy J. West, Microreproduction and Engineering Services, November 5.

Robert V. Walker, Process Maintenance, November 5.

William B. Daugherty, Area Five Maintenance, November 8.

Claude E. Leatherwood, Graphite Shop, November 8.

Curtiss R. Gasaway, Stores Department, November 8.

Carl T. Selvidge, Alpha Five East Shop, November 10.

Herman P. Alexander, 9766 Machine Shop, November 10.

Earl E. Goodman, Physical Testing, November 11.

### 10 YEARS

James H. Rose, Dispatching Department, November 9.

Clyde W. McGovern, Machine Maintenance, November 9.

Raymond E. Johnson, 9215 Rolling Department, November 9.

## SNT Members Set Meeting Tuesday

The American Society for Non-destructive Testing will meet next Tuesday, November 11. A social hour begins at 6:30 p.m. at the Alexander Motor Inn, Oak Ridge.

The dinner (\$2.25) will be at 7 p.m. and the technical session will start at 8. J. P. Battema, X-Ray Product Manager, Philips Electronic Instruments, will speak on Non-Film X-Ray Imaging.

Battema has been active in the nondestructive field for over 26 years. His affiliations prior to his current assignment with the Philips Company has been with the Aircraft X-Ray Laboratory, Huntington Park, California, where he was laboratory director; assistant quality control manager for Magnesium Alloy Products, Compton, California; laboratory director of the Ferro Spec Company, Los Angeles, California.

Battema is currently an active member of the ASNT committee E-7, chairman of a number of subcommittees, and currently the national membership chairman for ASNT. He is also a member of the American Society of Mechanical Engineers.

## Image-Improving Is Representatives' Task

Perhaps it's not important, but politicians should do a little home work cleaning up their image. Recently, a study showed that 19 percent of the populace thought politicians were dishonest; 81 percent thought of them as fairly honest; and absolutely ZERO percent thought of them as 100 percent honest! Most of the people thought of politicians as guilty of cutting ethical corners, telling little white lies, and suffering from a chronic case of hypocrisy!



OPERATING ENGINEERS LOCAL 900 exceeded their United Fund giving from last year by a full 100 per cent! They exceeded their 1969 goal, giving more than 106 per cent of their quota. Seated are some of the solicitors who did excellent work in the utilities division, from left, J. E. Williams, George R. Beasley, president of the local; and C. I. Sweeney. Standing are George H. Russell, H. R. Cannon and R. B. Amos.

## United Fund Honor Roll

Final reports show many other departments and crafts in excess of their 1969 United Fund goal. Hearty congratulations to each department, each craft, and each man in each! If your department is not listed below, make sure it is next year!

Accounting & Budgets  
SS Warehousing & Shipping  
Assembly Operations  
Alpha Five Assembly  
Development Operations  
Chemical Engineering  
Development  
Laboratory Development  
Long Range Planning  
Process Analysis  
Engineering Division  
Engineering Mechanics  
Environmental Control  
Engineering  
Instrument Engineering  
Tool Engineering  
Numerical Control Engineering  
Machine Maintenance  
General Machine Shop  
General Weld Shops  
General Field Shops  
General Metal Fabrication Shop  
General Shop Job Liaison  
Beta Four Heavy Machine Shop  
9766 Machine Shop  
Alpha 5 East Shop  
Alpha 5 West Shop  
Material Specimen Shop  
Rover Fabrication  
Graphite Shop  
A-2 Shops—9212  
Tool Grinding  
Industrial Relations  
Administration  
Publications  
Training  
Recreation  
Clerical Pool  
Employment  
Cafeteria  
Maintenance Administration  
Process Maintenance  
Maintenance Division  
Research Services  
Garage  
Area Five Maintenance  
Plant Records  
Materials & Services  
Administration  
Traffic  
Material Control  
Special Services  
Casting Department  
Beta 2 Forming  
H-1 Foundry  
Assembly Technical Staff  
Electrical Engineering  
General Can Fabrication Shop

Safety  
Building Services Department  
Salvage  
Receiving  
Dimensional Inspection  
9215 Rolling  
Special Production Scheduling  
and Coordination  
Critical Path and Regular  
Production Scheduling  
General Plant Tooling  
Coordination  
Material Procurement  
Product Engineering  
Security  
Shift Superintendents  
Public & Technical Information  
Graphics & Public Information  
Wage Standards & Personnel  
Records  
Superintendents  
Technical Administration  
Criticality Studies  
Data Processing  
Data Systems Development  
Statistical Services  
SS Material Control  
Laboratory Operations  
Production Analysis  
Gage Certification Laboratory  
Quality Assurance  
Physical Testing Operations  
Bricklayers  
Building Services  
Culinary Workers  
Painters  
Asbestos Workers  
Machinists  
Guards  
Carpenters  
Sheet Metal Workers  
Pipefitters  
Electricians  
Operating Engineers  
Chemical Workers  
Boilermakers

## Walking On Moon Was 'Francless' Task

Back in 1891, a wealthy French widow allegedly left an award of 100,000 francs (\$20,000) to the first man to set foot on a heavenly body—with the curious exception of Mars.

The legacy may go to Astronaut Neil Armstrong for his moon walk. But not \$20,000 because inflation has so reduced the value of the franc in 78 years that it is now worth a mere \$180.

Speed-breaking records lose their glory, if you're not there to tell the story.

## General Staff Goes Over Top In United Fund!

Another major group of Union Carbide employees has gone "over the top" in the 1969 United Fund drive.

The Nuclear Division's General Staff, which includes some 680 employees, has raised more than \$16,400—some \$1,400 above their assigned goal. About \$9,300 of this total will go to Anderson County, and the remainder will go to other counties.

General Staff drive coordinators Perry Pryor and Bill Erwin lauded the "exceptional cooperation and enthusiasm" of individual group leaders assisting in the campaign.

Erwin noted that the Purchasing Division, under chairman H. C. Wright, had 100% participation and 140% of their goal. "On top of this, 116 of the group's 126 members — or 92% — gave the needed share equivalent of one day's pay."

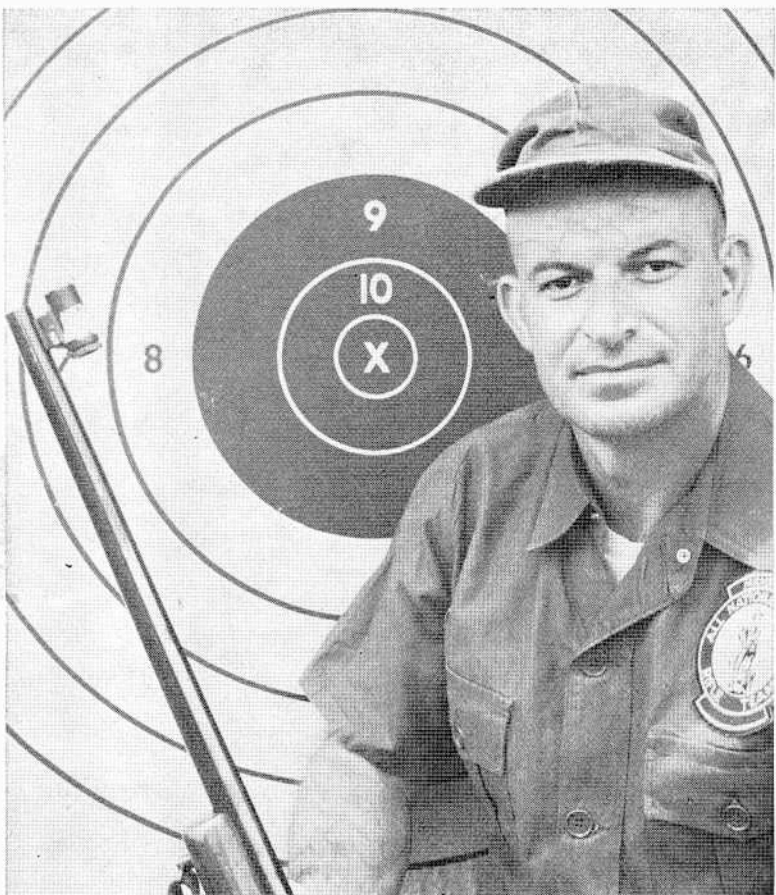
Another group, the Central Auditing Department, also reached 100% participation, with 132% of their goal. All 28 employees gave, and the average gift was \$32.

The General Staff includes employees in the Nuclear Division's General Accounting and Finance Division, Atomic Energy Commission Combined Operations Planning, General Industrial Relations, and the Law Department. These groups serve the three Nuclear Division plants — ORNL, ORGDP, and Y-12. The Y-12 Plant passed its goal earlier raising almost \$110,000—about \$8,000 over its assigned goal of \$102,000.



"Let's get out of here before somebody blames us!"





R. J. 'DICK' SPURLING

## Dick Spurling's Dead Eye Proves True In High Power Rifle Sightings

R. J. (Dick) Spurling, Electrical, has been shooting lately . . . and shooting well.

He was recently declared the overall champion at the Oak Ridge Sportsmen's Association, rounding out a year of high powered rifle firing to match the records of any sharpshooter.

Firing on the All National Guard "Nelson" team back in April at Camp Bullis, Texas, Dick helped establish a national record . . . with 80 shots, slow fire, prone, 1000 yards, with metallic sights. Their score was 390-34V. A National Rifle Association certificate was recently mailed Spurling attesting the record.

Firing on the All Guard Nelson team at Quantico in July the team fired a national record on a

National Match Course of 1963-82X . . . taking first place as open winners.

That matches were fired July 18, 19, and 20. Other men on Spurling's team include Bruce G. Johnston, Gary G. Gault and David R. Logan.

Spurling's latest honor from the NRA is a certificate recognizing his performance in winning the 1969 Tennessee State High Power Rifle Championship.

How about that firing?

## Boat Trailers Pose New Problems

The National Safety Council reminds motorists who will be pulling boat trailers never to forget—even for a moment—that they have something hitched to their automobiles.

"The combination of automobile, boat trailer and boat is perhaps twice as heavy, twice as long and certainly at least twice as difficult to maneuver as an automobile alone," says Harry Porter, manager of the Council's Traffic Department.

Porter makes the following suggestions to help make things easier—and safer—for drivers pulling boat trailers:

- Always start slowly, apply power gradually.

- If you must pass, remember that your passing zip is nearly all gone. And, being twice as long, you'll need twice the space to get back in line. Your car should be equipped with two outside mirrors to help you check your position at all times, particularly when passing.

- Allow plenty of extra space for stopping.

- When turning a corner, swing as wide as you safely can to allow the trailer to clear.

- Practice is the key to successful backing. Go slowly and don't oversteer. You can't recover if you go too far. Use a vacant parking lot for your first few practice attempts.

## REVERSE IS TRUE

Remember this, too. You can tell a company by the men it keeps.

## Recreation



Sunday, November 9

SKEET TOURNAMENT: 1 p.m. Oak Ridge Sportsmen's Association Range.

Monday, November 10

BOWLING: C League, 5:45 p.m., Ark Lanes.

TABLE TENNIS: 7 p.m., Wildcat's Den.

Tuesday, November 11

PHYSICAL FITNESS (For Men): 7-9 p.m., Oak Ridge High School Gym.

CAMERA CLUB: 8 p.m., Room D-211, Cheyenne Hall.

BOWLING: Carbide Starlite League, 8:30 p.m., Starlite Lanes, Knoxville.

Wednesday, November 12

22 CALIBRE RIFLE LEAGUE: 7 p.m. Oak Ridge Sportsmen's Association Indoor Range.

BOWLING: Mixed League, 8 p.m., Ark Lanes.

Thursday, November 13

BOWLING: Classic League, 5:45 p.m., Ark Lanes.

## Hi Jackers Take Early Starlite Top

The Hi Jackers keep a perfect record so far in the Carbide Starlite Bowling league after their hi jinks on the hardwood last week. They posted three big ones at the expense of the Dynapaths.

Woody's Woodpeckers won two from the Splitters, while the Has Beens took three from the Thunderbirds. The Jaguars took two from the Wildcats.

W. R. Smetzer, Woodpeckers, rolled a 202 scratch game and his teammate John Lewis rolled a 251 handicap single.

J. E. Seivers, HiJackers, rolled series in the order of 576 scratch, 672 handicap. The Hi Jackers were best in scratch rolling . . . singles of 897, series of 2571. The Woodpeckers won handicap honors, singles of 672, series of 2878.

League standings follow:

Team	W	L
Hi Jackers	6	0
Woody's Woodpeckers	5	1
Has Beens	5	1
Jaguars	3	3
Thunderbirds	2	4
Wildcats	2	4
Splitters	1	5
Dynapaths	0	6

## Table Tennis Sees Little Debut Play

Two table tennis players showed in each league last week, as the players had a hard time 'getting off the ground.'

In the X League, Loyd Wyatt downed Subbu Raman for two games.

X League standings:

Player	W	L
Loyd Wyatt, Y-12	2	1
Subbu Raman, X-10	1	2
Gerald Goldstein, X-10	0	0
Roy Huddleston, Y-12	0	0
B. G. Foutz, X-10	0	0
Jerry Keyes, Y-12	0	0
W. B. Motley, Y-12	0	0
Herb Mook, X-10	0	0

In the Y League Gordon Brewer put Ed Gambill down for two games, also for the only contest staged.

Y League standings:

Player	W	L
Gordon Brewer	2	1
Ed Gambill, Y-12	1	2
M. G. Zeigler, X-10	0	0
Art Weinberger, X-10	0	0
K. S. Toth, X-10	0	0
W. J. Bardill, X-10	0	0
Rom Uppuluri, X-10	0	0
Bob Smith, Y-12	0	0

## FOREST RAIN

Less than half the rain that falls on a forest in the summer reaches the ground. Part of the moisture that does not reach the ground is evaporated into the air, and the remainder absorbed by the leaves on the trees.



**BOY DOGS IN THE CLASSIC** League are the above bowlers in all their glory. In the top photo are the Rebels . . . from left, Jim Shoemaker, captain Norm Jarvis, J. C. Bryan, Jack Spears and L. E. Sikes. The Swingsters, in the lower photo, are often in the winners' circle (more so than not) are George Cantrell, Otis Rackley, captain; Hubert Tripp Sr., Frank Winstead and Joe Morgan.

## Markers Blast Splinters Stretching 'Giant' Lead In Classic Alley Race

The Markers lengthened their wide lead in the Classic bowling race last week with a big four win over the Splinters. Also going all the way were the All Stars by the Bumpers, the Tigers over the

Smelters and the Pinbusters by the Eagles.

Taking three were the Rebels by the Rippers, the Cubs over the Has Beens, the Eightballs by the Playboys, and the Screwballs over the Swingsters.

Frank Adams, Playboys, played a 246 scratch, 262 handicap game! Joe Pryson, Bumpers, and Otto Briscoe, All Stars, rolled a 581 scratch series . . . and Briscoe's 656 handicap series was high.

The Playboys posted high singles . . . 926 scratch, 1062 handicap . . . and the All Stars had series in the line of 2675 scratch, 3009 handicap.

League standings follow:

Team	W	L
Markers	29½	6½
Rebels	22	14
All Stars	21½	14½
Has Beens	21	15
Bumpers	19	17
Cubs	19	17
Eightballs	19	17
Rippers	18½	17½
Playboys	18	18
Splinters	17	19
Tigers	17	19
Swingsters	15½	20½
Pinbusters	15½	20½
Screwballs	14½	21½
Smelters	14	22
Eagles	7	29

## Winter Sportsmen Are Coming Forward

The Recreation Department has already gathered four basketball teams, two volleyball teams together for winter play.

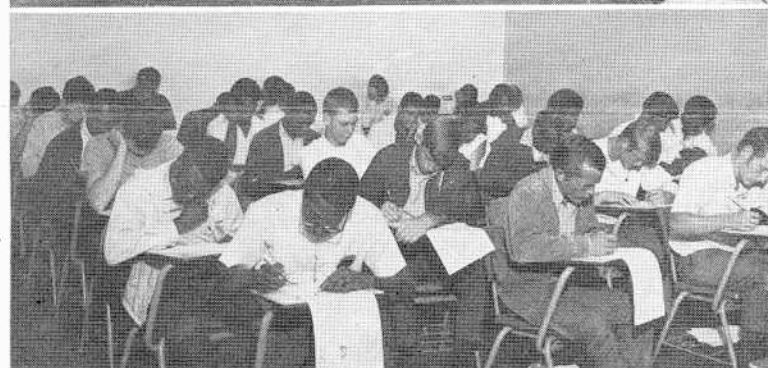
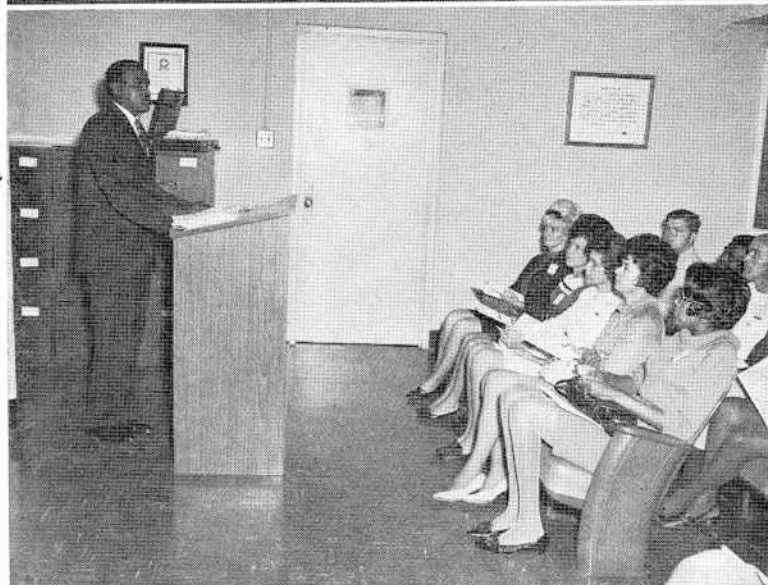
If your team is not entered, give them a ring, extension 3-7109, now . . . and get your name in the pot.

Practice sessions should begin in a week or so, and action should get underway around December 1.

League standings follow:

Team	W	L
Badgers	23	9
Rounders	23	9
HiLifers	20	12
Parbusters	18	14
Rollmasters	17	15
Sunflowers	16	16
Fireballs	15	17
Anodes	15	17
Big Five	14	18
Go Go Gophers	13	19
Instrument Engineers	12	20
Royal Flush	6	26





**TRAINING AND TECHNOLOGY** program in Y-12 goes into its fourth successful year of operation with new trainees participating in the program. In the top photo, TAT trainees are at work in the machining course. In the middle section, Y-12er Ben Phipps welcomes a group of new trainees to the plant in an orientation class. In the lower picture, the new trainees fill out forms and take tests as part of their first day's orientation sessions.

## TAT Opens Fourth Year—150 Trainees

The Training and Technology program at Y-12 is off and running into its fourth year of operation with a new class of approximately 150 trainees participating.

TAT officials say they expect to train over 300 persons by the fall of 1970, since course completion time now averages between six to eight months. Six courses of study are being offered: machining, drafting, electronics, physical testing, welding and general mechanics.

Of the approximately 320 persons who completed the TAT course the past school year, approximately 285 have been hired by some 30 firms located mostly in southern and midwestern states. Since the TAT program began in 1966, well over 800 course graduates have been placed in industrial jobs.

(Although the program is designed especially for the East Tennessee area, last year a group of young Negroes came here from Chicago. A total of 21 completed their studies, and 19 of these have returned to Chicago and are employed at the Atomic Energy Commission's National Accelerator Laboratory there.)

According to a recent story in Oak Ridger, the average income of TAT graduates has jumped from \$2,000 to \$6,000 a year!

The TAT project is the joint endeavor of the company, Oak Ridge Associated Universities, Tennessee Department of Employment Security, Tennessee Department of Education, Division of Vocational-Technical Education and labor organizations in the area.

It is supported by funds from the U.S. Department of Labor and the U.S. Office of Education.

The Atomic Energy Commission, Department of Labor and the Department of Health, Education and Welfare provide financial support. Financial support this year includes help from the Appalachian Regional Commission, Chattanooga Concentrated Employment Program and the Tennessee Rural Concentrated Employment Program, located at Cookeville.

## Company Gets Oil Concessions

An oil concession has been issued to Union Carbide Petroleum Corporation by the Republic of Liberia, it was announced by Birny Mason, Jr., chairman of the board of Union Carbide Corporation. The Petroleum Corporation is a wholly owned subsidiary of Union Carbide.

The concession involves an area of about 1,350 square miles offshore Liberia, known as Block "A". A seismic program will begin on the concession area in the near future.

Union Carbide Petroleum Corporation, formed in 1967, conducts worldwide programs for developing petroleum reserves needed by the corporation for hydrocarbon raw materials, fuels, and other purposes. At the present time, the corporation is participating in oil and gas-producing operations offshore Louisiana and is conducting reconnaissance and exploratory drilling in several parts of the world.

### OLD ADAGE REMOVED

Apollo XI at least accomplished one thing . . . it took care of that old expression . . . What goes up must come down!



Leonard G. Whitten

## Whitten Speaking In Baltimore

Leonard G. Whitten, Y-12 metrology engineering, is attending the Mid-Atlantic Engineering Conference and Tool Exposition in Baltimore, Maryland, this week. The conference is sponsored by the American Society of Tool and Manufacturing Engineers and is held November 4 through 6.

Whitten will deliver a paper, "Industrial Laser Metrology," discussing laser techniques involving measurements of lengths and geometric alignments. Y-12's development work with laser interferometers is conducted as part of a continuing program to improve the accuracies of instruments in the plant.

### ENNUI ENOUGH

A coed we know got tired of being an intellectual . . . so she stopped carrying her copy of "War and Peace."

Courtesy, caution, and common sense will help to prevent accidents.

### FLAT FEES!!!!

Authorities in Sao Paulo, Brazil, have found an effective means of combating illegal parking. When you return to your illegally parked car there you find the tires all flat. The South American fuzz report that this method is much more effective than tickets!



## UNION CARBIDE CORPORATION

NUCLEAR DIVISION

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## United Fund - 110 Per Cent!

Continued from Page 1

### Crafts

Bricklayers Local 3	33.13	50.00	150.92
Boilermakers 33	389.30	415.16	106.64
Carpenters Local 50	436.36	483.48	110.79
Sheet Metal Workers			
Local 51	589.82	592.00	100.37
Asbestos Workers			
Local 52	125.40	127.00	101.27
Building Services			
Local 166	1,851.71	2,127.82	114.91
Chemical Workers			
Local 252	3,876.55	3,890.00	100.60
International Guards Of			
America Local 3	897.78	1,028.28	114.53
Ironworkers Local 384	307.59	175.16	56.94
Machinists Local 480	14,456.06	15,747.30	108.93
Teamsters Local 519	2,597.28	1,916.18	75.50
Culinary Workers			
Local 623	125.65	186.12	148.12
Pipefitters Local 718	2,322.73	2,330.00	100.34
Electricians Local 760	3,966.06	4,079.84	102.86
Painters Local 1805	332.06	374.00	112.63
Operating Engineers			
Local 900	1,351.08	1,430.44	105.87



Mr. and Mrs. John Albert Phillips



### PHILLIPS-BRACKEN

A twilight wedding service on Tuesday, September 16, united Miss Lynda Mae Bracken and Mr. John Albert Phillips. The rites were held at the First United Methodist Church with the Reverend Douglas Smith officiating.

The bride is the daughter of Mr. and Mrs. Clarence Bracken, 234 Jefferson Avenue, Oak Ridge; and the groom is the son of Mr. and Mrs. Lawrence R. Phillips, 501 Michigan Avenue, Oak Ridge. The groom's father is in Development Operations.

Given in marriage by her father, the bride wore a street-length dress of satin with lace, bell sleeves, a high neckline finished with a bow and a satin sash. The white tulle veil was held by a headpiece of satin covered with seed pearls. She carried a bouquet of mums centered with a white orchid.

Diane Underwood, Oak Ridge, was the bride's only attendant.

Mr. Phillips was his son's best man, and ushers were Richard Wallace and Donald Hudson, both of Oak Ridge.

A reception honored the couple at the church. Jan Evans, Mrs. Julia Overton, Cathy Lusby, Mrs. Naomi Watson and Mrs. Janice Underwood assisted.

After a wedding trip to Myrtle Beach, South Carolina, the groom reported for duty with the U.S. Naval Reserve in Great Lakes, Illinois.

### SWEET REVENGE

A man we know says his wife has a funny way of getting even with the telephone company for excessive long-distance bills. She uses his car to knock down their poles!



Will join car pool from East Knoxville, East of Holston River, to Bear Creek Portal, A Shift. Clarence W. Wyrick, plant phone 3-5156, home phone Knoxville 522-8775.

Ride wanted, or will join car pool from Rockwood to Bear Creek Portal, straight day. Van Vail Jr., plant phone 3-7854, home phone Rockwood 354-2640.

Ride wanted from LaFollette to North Portal, straight day. Tim Kitts, plant phone 3-7781, home phone LaFollette 562-2525.

Ride wanted or will join car pool from East Village, Oak Ridge, to East Portal, straight day. Ed Williams, plant phone 3-5445, home phone Oak Ridge 482-2227.

### ROADRUNNER

That miracle modern man is one who can make it to the refrigerator and back again with a beer while the commercial is still on.